FIG. 1

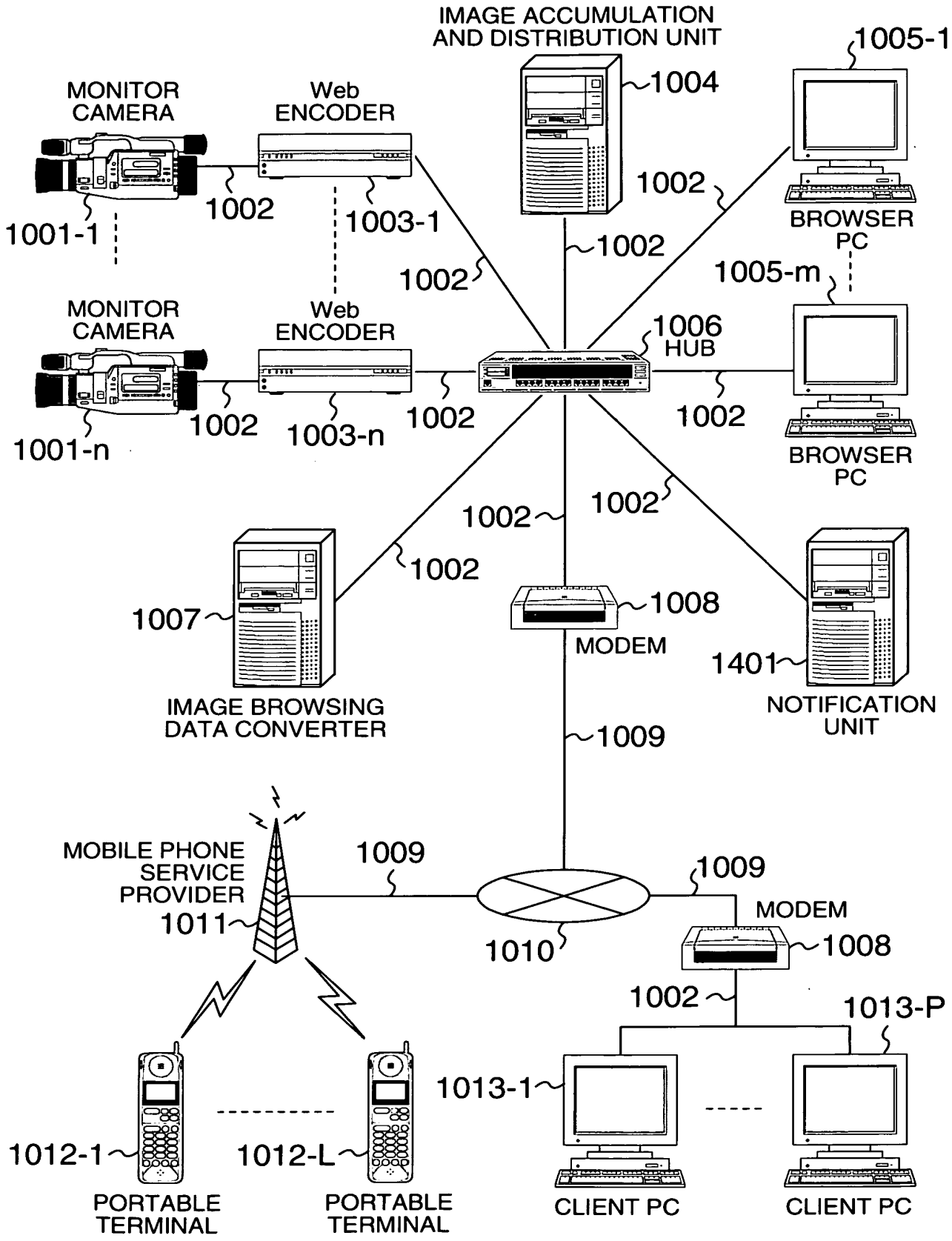
IMAGE ACCUMULATION AND DISTRIBUTION UNIT
1004
1005-1
BROWSER PC
1005-m
BROWSER PC
MONITOR CAMERA
Web ENCODER
1001-1
1002
1003-1
MONITOR CAMERA
Web ENCODER
1001-n
1002
1003-n
1006 HUB
1002
1007
IMAGE BROWSING DATA CONVERTER
MODEM
1008
1401
NOTIFICATION UNIT
1009
MOBILE PHONE SERVICE PROVIDER
1011
1010
MODEM
1008
1012-1
PORTABLE TERMINAL
1012-L
PORTABLE TERMINAL
1013-1
1013-P
CLIENT PC
CLIENT PC

FIG. 2

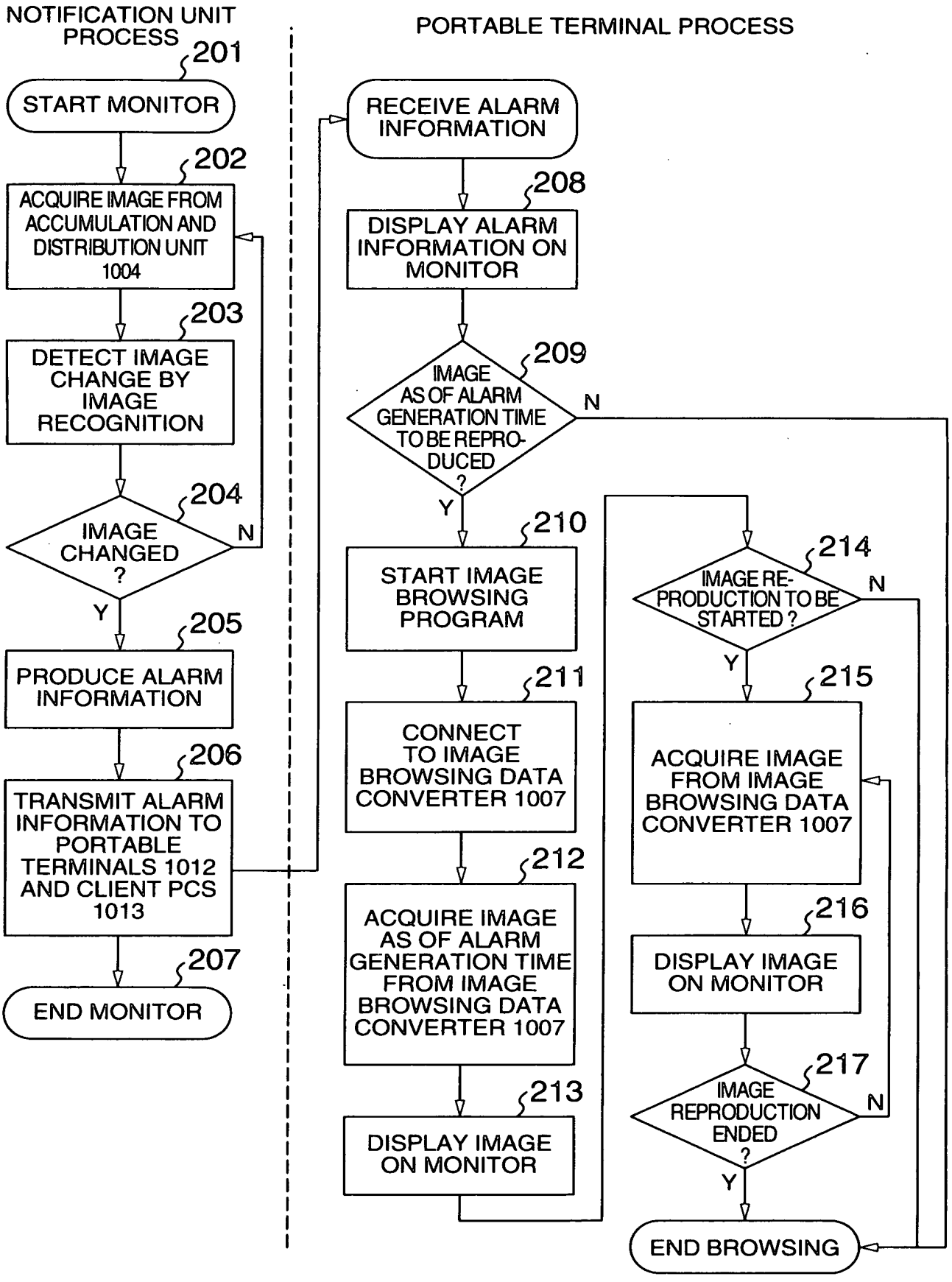
NOTIFICATION UNIT PROCESS
PORTABLE TERMINAL PROCESS
201
START MONITOR
202
ACQUIRE IMAGE FROM ACCUMULATION AND DISTRIBUTION UNIT 1004
203
DETECT IMAGE CHANGE BY IMAGE RECOGNITION
204
IMAGE CHANGED ?
N
Y
205
PRODUCE ALARM INFORMATION
206
TRANSMIT ALARM INFORMATION TO PORTABLE TERMINALS 1012 AND CLIENT PCS 1013
207
END MONITOR
RECEIVE ALARM INFORMATION
208
DISPLAY ALARM INFORMATION ON MONITOR
209
IMAGE AS OF ALARM GENERATION TIME TO BE REPRODUCED ?
N
Y
210
START IMAGE BROWSING PROGRAM
211
CONNECT TO IMAGE BROWSING DATA CONVERTER 1007
212
ACQUIRE IMAGE AS OF ALARM GENERATION TIME FROM IMAGE BROWSING DATA CONVERTER 1007
213
DISPLAY IMAGE ON MONITOR
214
IMAGE REPRODUCTION TO BE STARTED ?
N
Y
215
ACQUIRE IMAGE FROM IMAGE BROWSING DATA CONVERTER 1007
216
DISPLAY IMAGE ON MONITOR
217
IMAGE REPRODUCTION ENDED ?
N
Y
END BROWSING

FIG. 3

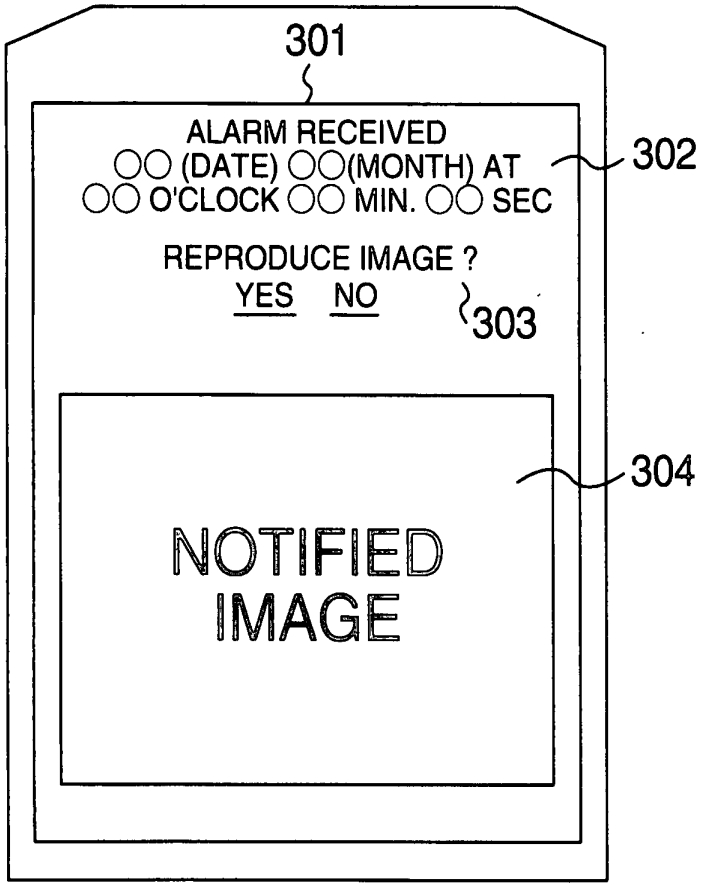
301
ALARM RECEIVED
○○ (DATE) ○○(MONTH) AT
○○ O'CLOCK ○○ MIN. ○○ SEC
302
REPRODUCE IMAGE ?
YES NO
303
304
NOTIFIED IMAGE

FIG. 4

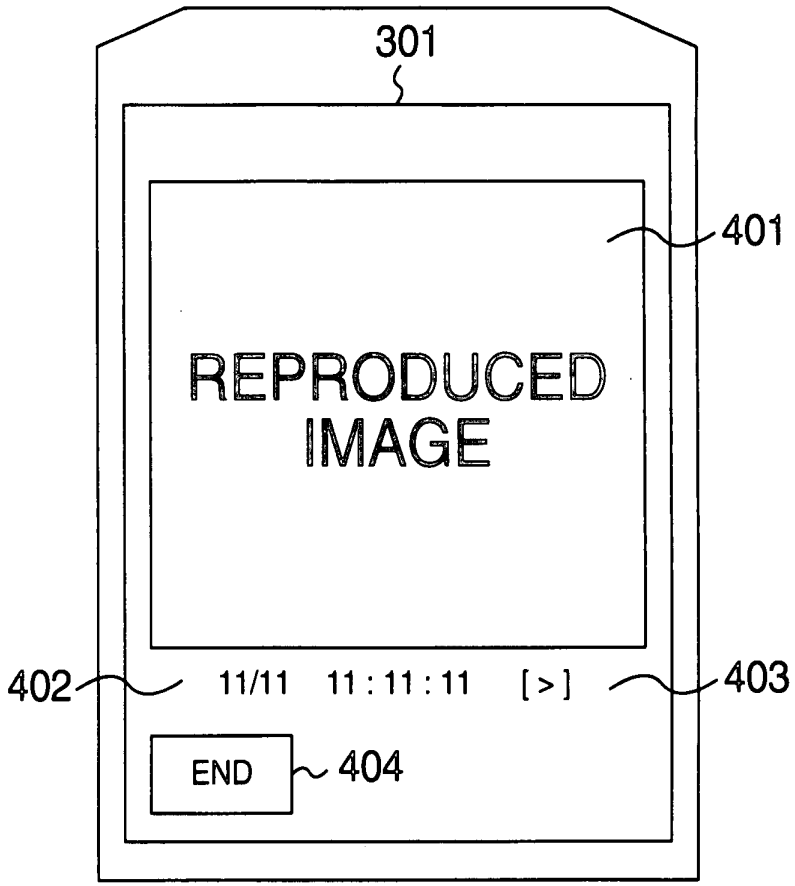
301
401
REPRODUCED IMAGE
402
11/11 11 : 11 : 11 [>]
403
END
404

FIG. 5

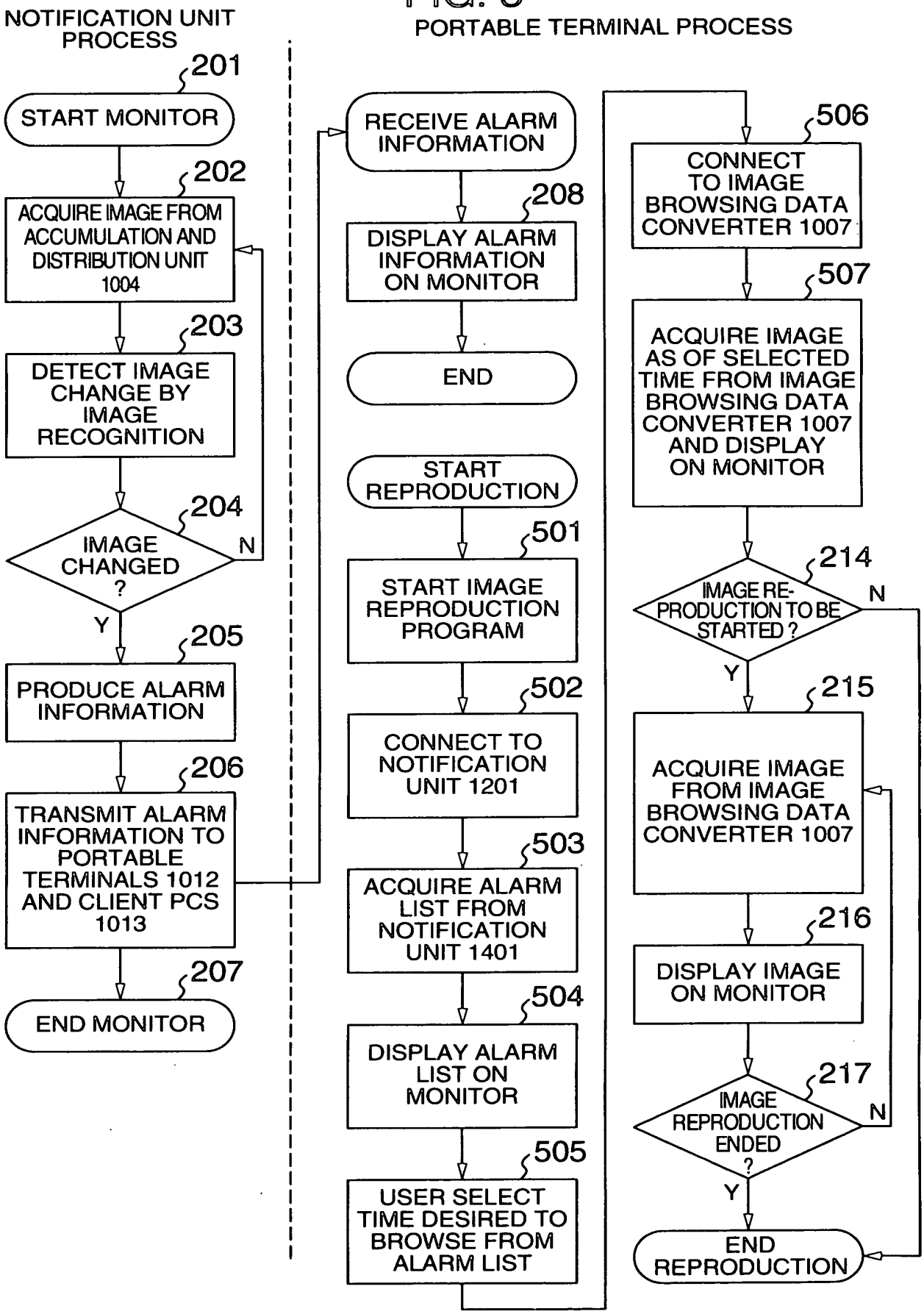
NOTIFICATION UNIT PROCESS
PORTABLE TERMINAL PROCESS
201
START MONITOR
202
ACQUIRE IMAGE FROM ACCUMULATION AND DISTRIBUTION UNIT 1004
203
DETECT IMAGE CHANGE BY IMAGE RECOGNITION
204
IMAGE CHANGED ?
N
Y
205
PRODUCE ALARM INFORMATION
206
TRANSMIT ALARM INFORMATION TO PORTABLE TERMINALS 1012 AND CLIENT PCS 1013
207
END MONITOR
RECEIVE ALARM INFORMATION
208
DISPLAY ALARM INFORMATION ON MONITOR
END
START REPRODUCTION
501
START IMAGE REPRODUCTION PROGRAM
502
CONNECT TO NOTIFICATION UNIT 1201
503
ACQUIRE ALARM LIST FROM NOTIFICATION UNIT 1401
504
DISPLAY ALARM LIST ON MONITOR
505
USER SELECT TIME DESIRED TO BROWSE FROM ALARM LIST
506
CONNECT TO IMAGE BROWSING DATA CONVERTER 1007
507
ACQUIRE IMAGE AS OF SELECTED TIME FROM IMAGE BROWSING DATA CONVERTER 1007 AND DISPLAY ON MONITOR
214
IMAGE RE-PRODUCTION TO BE STARTED ?
N
Y
215
ACQUIRE IMAGE FROM IMAGE BROWSING DATA CONVERTER 1007
216
DISPLAY IMAGE ON MONITOR
217
IMAGE REPRODUCTION ENDED ?
N
Y
END REPRODUCTION

FIG. 6

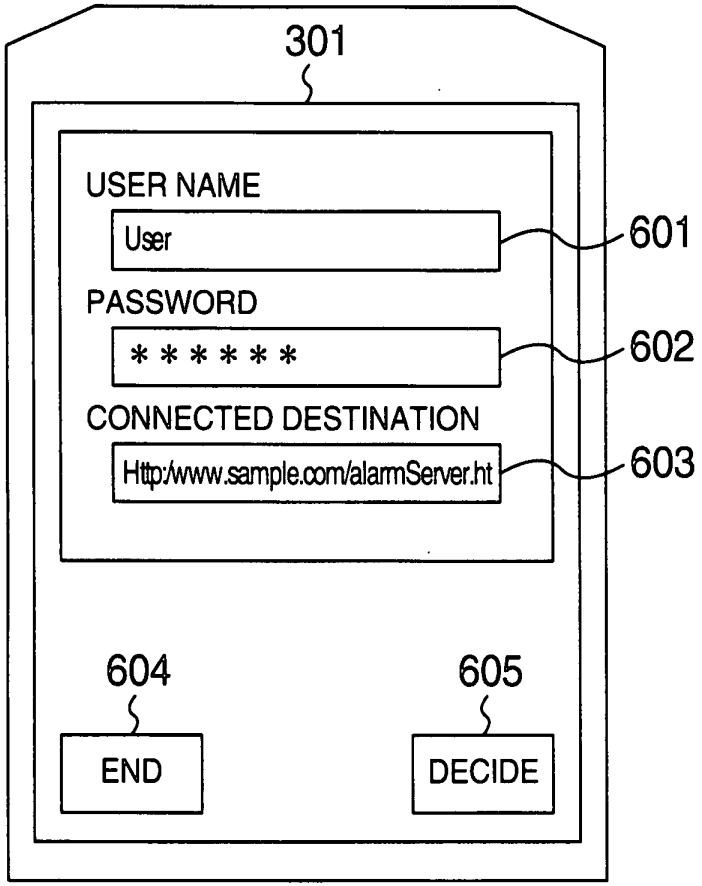
301
USER NAME
User
601
PASSWORD
* * * * * *
602
CONNECTED DESTINATION
Http:/www.sample.com/alarmServer.ht
603
604
605
END
DECIDE

FIG. 7

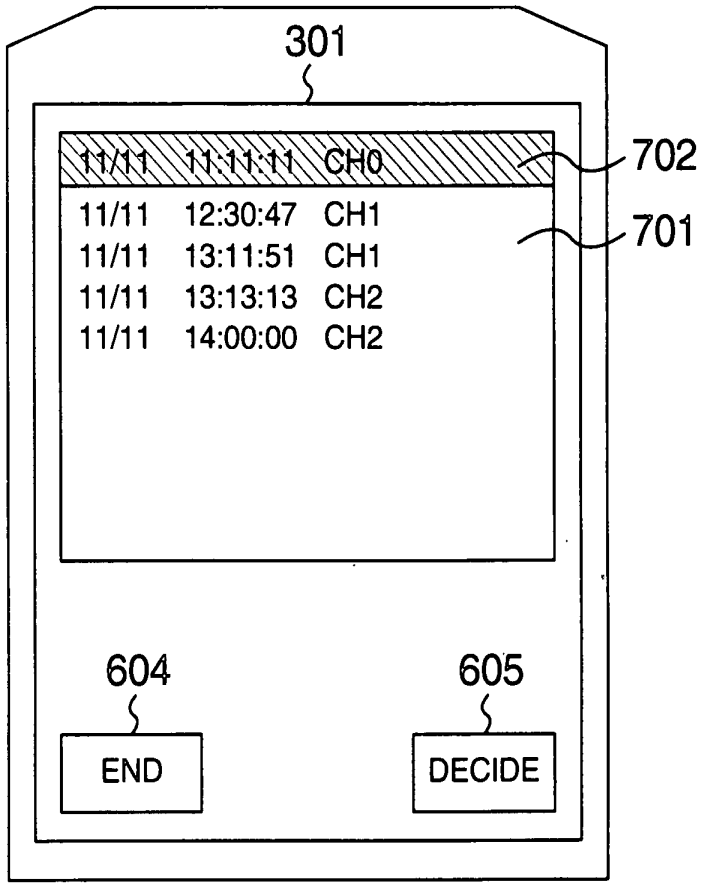
301
11/11 11:11:11 CH0
702
11/11 12:30:47 CH1
11/11 13:11:51 CH1
11/11 13:13:13 CH2
11/11 14:00:00 CH2
701
604
605
END
DECIDE

FIG. 8

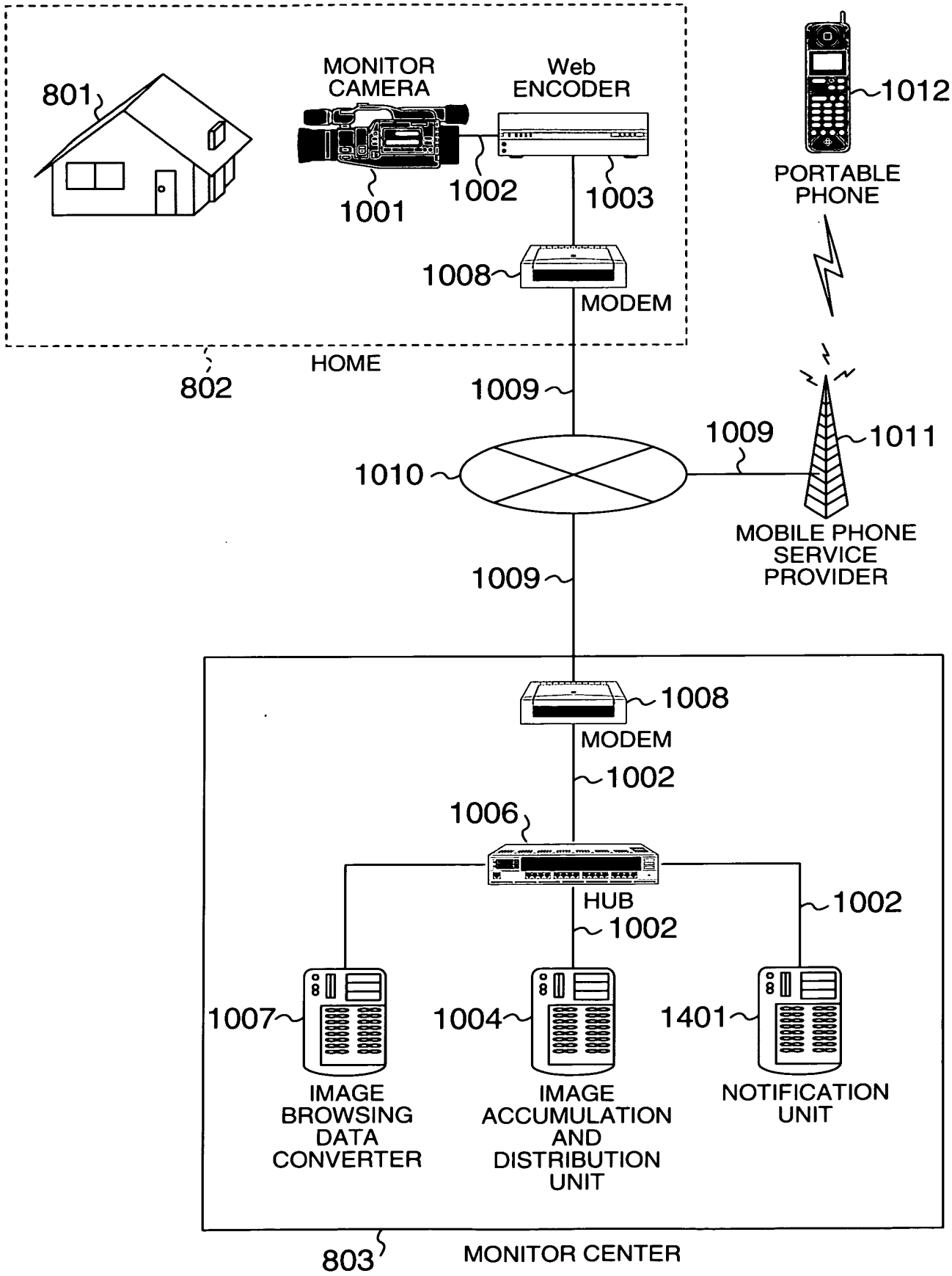
801
MONITOR CAMERA
Web ENCODER
1012
PORTABLE PHONE
1001
1002
1003
1008
MODEM
HOME
802
1009
1009
1011
1010
MOBILE PHONE SERVICE PROVIDER
1009
1008
MODEM
1002
1006
HUB
1002
1002
1007
1004
1401
IMAGE BROWSING DATA CONVERTER
IMAGE ACCUMULATION AND DISTRIBUTION UNIT
NOTIFICATION UNIT
803
MONITOR CENTER

FIG. 9

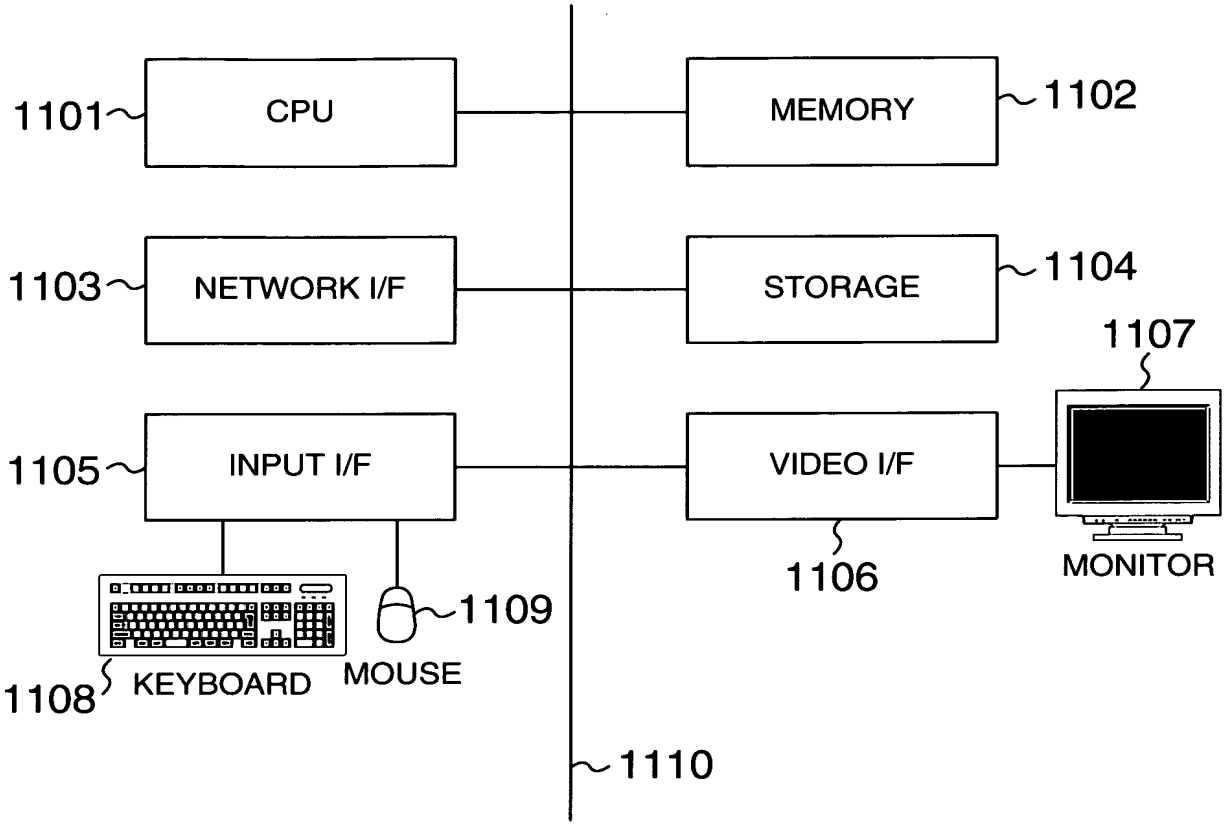
1101
CPU
MEMORY
1102
1103
NETWORK I/F
STORAGE
1104
1107
1105
INPUT I/F
VIDEO I/F
MONITOR
1106
1109
1108
KEYBOARD
MOUSE
1110

FIG. 10

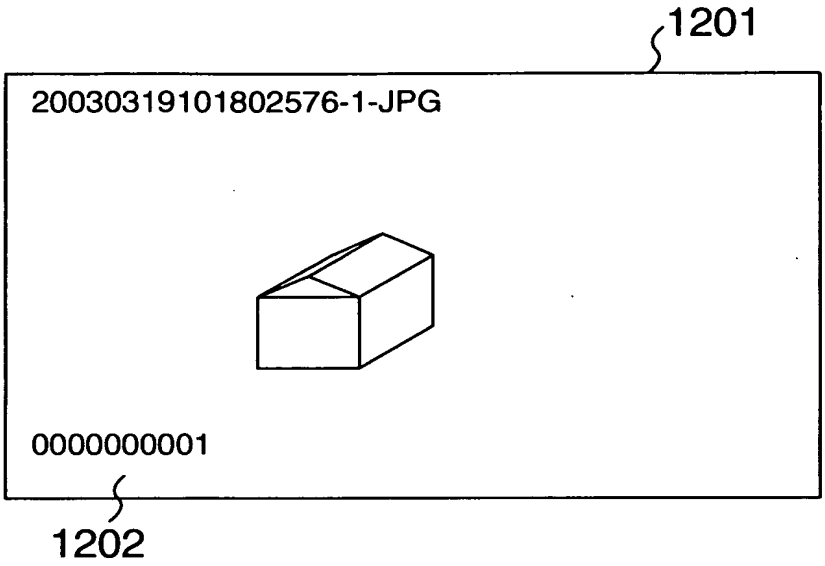

FIG. 11

ID No.	IMAGING DATE & TIME/CHANNEL/ COMPRESSION SCHEME
0000000001	20030319101802576-1-JPG
0000260005	20030320102003257-3-JPG
⋮	⋮
00019150012	20030327140303257-5-JPG

FIG. 12

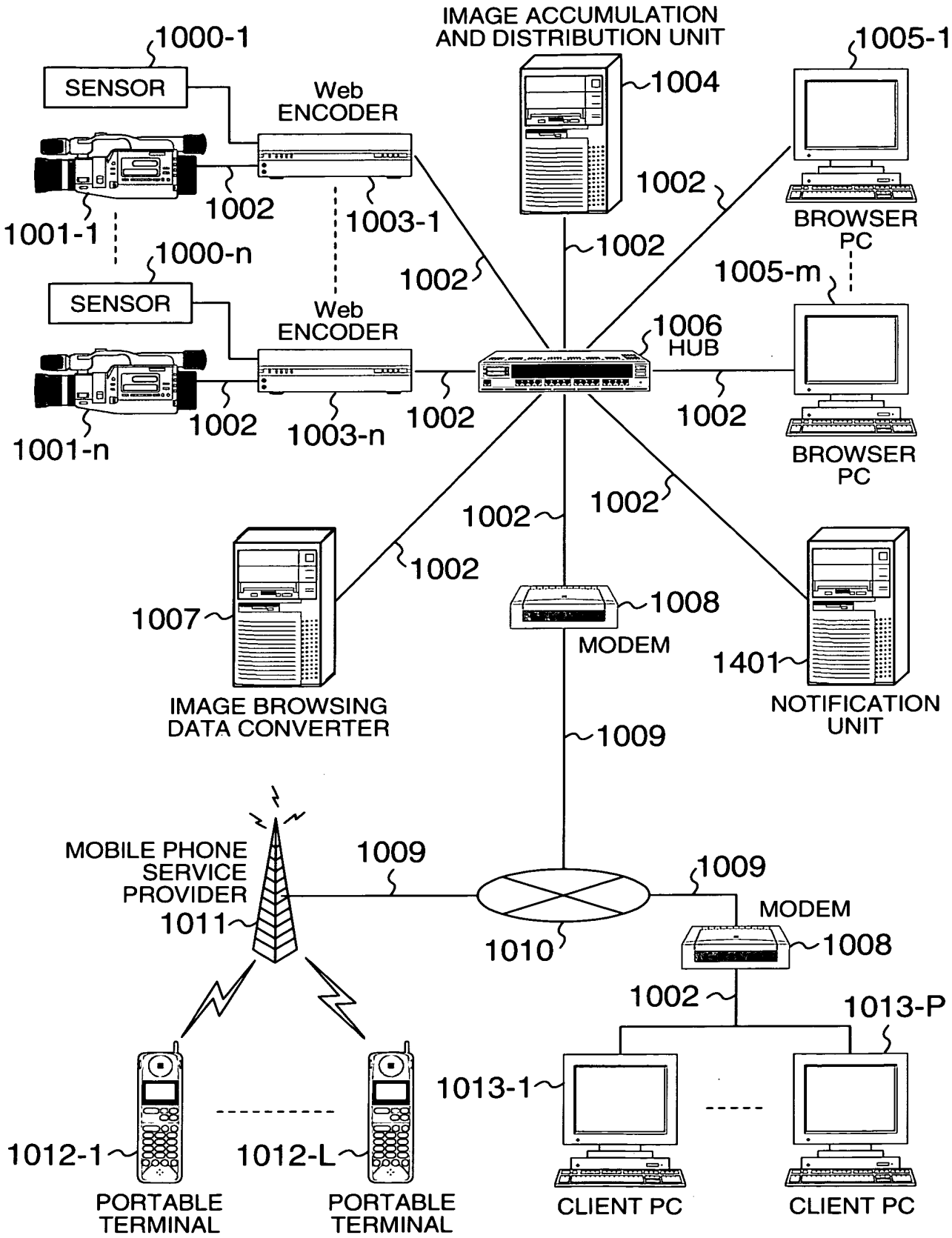
IMAGE ACCUMULATION AND DISTRIBUTION UNIT
1004
1000-1
SENSOR
Web ENCODER
1001-1
1002
1003-1
1000-n
SENSOR
Web ENCODER
1001-n
1002
1003-n
1002
1002
1002
1002
1002
1002
1002
1005-1
BROWSER PC
1005-m
BROWSER PC
1006 HUB
1007
IMAGE BROWSING DATA CONVERTER
1008
MODEM
1401
NOTIFICATION UNIT
1009
MOBILE PHONE SERVICE PROVIDER
1011
1009
1010
1009
MODEM
1008
1002
1013-P
1013-1
1012-1
1012-L
PORTABLE TERMINAL
PORTABLE TERMINAL
CLIENT PC
CLIENT PC